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CLMPTO

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Claims 1-20 (cancelled).

-- 21. A data transmission method for transmitting information data containing additional information data therewith, said data transmission method comprising the steps performed at a transmitter side of:

preparing a data frame of said information data into which the additional information data is to be embedded;
embedding said additional information data plural times into said data frame, repetitively; and
transmitting the information data embedded with the repetitive additional information data..

22. A data transmission method as claimed in Claim 21, further comprising the steps performed at a receiver side of:

receiving the transmitted information data embedded with the repetitive additional information data therein;
detecting the repetitive additional information data embedded from said transmitted information data; and

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determining said additional information data based on repetitiveness of the additional information data detected.

23. A data transmission method as claimed in Claim 22, wherein said determining step includes a step of:

determining said additional information data based on a majority rule of the repetitive additional information data embedded into said data frame.

24. A data transmission method as claimed in Claim 21, wherein said information data includes at least one of video data, audio data and text data.

25. A data transmission method as claimed in Claim 22, wherein said information data includes at least one of video data, audio data and text data.

26. A data transmission apparatus for transmitting information data containing additional information data therewith, comprising:

first means for preparing a data frame of said information data into which the additional information data is to be embedded;

second means for preparing said additional information data in accordance with a predetermined conversion table;

third means for embedding said additional

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information data in the first means by plural times into the data frame, repetitively; and

fourth means for transmitting the information data embedded with the repetitive additional data therein.

27. A data transmission apparatus as claimed in Claim 26, wherein said fourth means comprises:

means for recording the information data embedded with the repetitive additional information data onto an optical information recording medium.

28. A data reproducing apparatus for reproducing the transmitted information data transmitted by the data transmitting apparatus as claimed in Claim 25,

said data reproducing apparatus comprising:

first means for receiving the transmitted information data embedded with the repetitive additional information;

second means for detecting the repetitive additional information data which are embedded with the information data received; and

third means for determining said embedded additional information data on a basis of repetitiveness of the additional information data detected.

29. A data reproducing apparatus as claimed in the claim 28, wherein said first means comprises:

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means for reproducing the information data embedded with the repetitive additional information data from an optical information recording medium.

30. An information recording medium for recording data therein, comprising:

information data being reproducible in the form of a data frame; and

additional data embedded by plural times into said information data of said data frame, repetitively.

31. An information recording medium as claimed in claim 30, wherein information relating to a repetition number of the embedded additional data is recorded into a part of said information recording medium. --

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